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	Filing Date		2005-10-17	
	First Named Inventor	John L. Schenk		
	Art Unit	1657		
	Examiner Name	Tiffany M. Gough		
Attorney Docket Number		XY-Optimum-USNP		

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1	United States Application Number: 11/092,313, Response to Election filed by Applicant on 9/11/2006	<input type="checkbox"/>
2	United States Application Number: 11/092,313, Office Action dated 10/6/2006	<input type="checkbox"/>
3	United States Application Number: 11/092,509, Office Action dated 07/21/2006	<input type="checkbox"/>
4	Garner, D.L. et al., Viability Assessment of Mammalian Sperm Using SYBR-14 and Propidium Iodide, 1996, Biology of Reproduction, Vol.53, pp 276-284	<input type="checkbox"/>
5	Salisbury, G.W. et al., Substrate-Free Epididymal-Like Bovine Spermatozoa, J Reprod Fertil, 1963, Vol. 6, pp. 351-359	<input type="checkbox"/>
6	Wong, P.Y.D., et al. Potassium Movement During sodium-Induced Motility Initiation in the Rat Caudal Epididymal Spermatozoa; Biology of Reproduction 28, 206-212 (1983)	<input type="checkbox"/>
7	Shirai, H., et al. Regulation of Sperm Motility in Starfish; Development, Growth, and Differentiation; 24, (5), 419-428 (1982)	<input type="checkbox"/>
8	Padilla, A.W. et al. Extender and Centrifugation Effects on the Motility Patterns of Slow-Cooled Stallion Spermatozoa; J. Anim. Sci 1991, 69:3308-3313	<input type="checkbox"/>
9	Ohta H., et al., Acquisition and Loss of Potential for Motility of Spermatozoa of the Japanese Eel Anguilla Japonica, National Research Institute of Aquaculture, Nansei, Mie	<input type="checkbox"/>
10	Morisawa, M. The Process of the Initiation of Sperm Motility; Laboratory of Physiology, Ocean Research Institute, University of Tokyo	<input type="checkbox"/>
11	McGrady, A.V., et al. Cholinergic Effects on Bull and Chimpanzee Sperm Motility; Biology of Reproduction 15, 248-253 (1976)	<input type="checkbox"/>

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12	Klinc, P. Dissertation - Improved Fertility of Flowcytometrically Sex Selected Bull Spermatozoa , School of Veterinary Medicine Hanover Germany, 2005	<input type="checkbox"/>
13	Jones, J.M. et al Acidification of Intracellular pH in Bovine Spermatozoa Suppresses Motility and Extends Viable Life, Journal of Andrology, Vol. 21, No. 5, September/October 616-624	<input type="checkbox"/>
14	Jenkins, A. D., et al. Concentrations of Seven Elements in the Intraluminal Fluids of the Rat Seminiferous Tubules, ReteTestis, and Epididymis; Biology of Reproduction 23, 981-987 (1980)	<input type="checkbox"/>
15	Darszon, A., et al. Ion Channels in Sperm Physiology, Physiological Reviews, Vol. 27, No. 2, April 1999	<input type="checkbox"/>
16	Christen, R., et al. Metabolism of Sea Urchin Sperm, the Journal of Biological Chemistry, Vol 25, NO. 9, Issue of May 10, pp.	<input type="checkbox"/>
17	Babcock, D. F., et al. Potassium-dependent increases in cytosolic pH stimulate metabolism and motility of mammalian sperm, Proc. Natl. Acad. Sci. USA, Vol. 80, pp. 1327-1331, March 1983	<input type="checkbox"/>
18	Zilli, L., et al. Adenosine Triphosphate Concentration and β -D-Glucuronidase Activity as Indicators of Sea Bass Semen Quality; Biology of Reproduction 70,1679-1684 (2004) Published online before print 11 February 2004.	<input type="checkbox"/>
19	Hanania, E. G. et al. A novel Automated Method of Scanning Cytometry and Laser-Induced Necrosis Applied to Tumor Cell Purging. Blood. 15 November 1999, Vol. 94, No. 10, suppl 1 part 1	<input type="checkbox"/>
20	Purdy, P. H. et al., Effect of Adding Cholesterol to Bull Sperm Membranes on Sperm Capacitation, the Acrosome Reaction, and Fertility, Biology of Reproduction 71, 522-527 (2004)	<input type="checkbox"/>
21	Purdy, P. H. et al., Effect of cholesterol-loaded cyclodextrin on the cryosurvival of bull sperm, Cryobiology 48 (2004) 36-45	<input type="checkbox"/>
22	Moce E., et al., Cholesterol-loaded cyclodextrins added to fresh bull ejaculates improve sperm cryosurvival, J. Anim. Sci, 2006, 84:826-833	<input type="checkbox"/>

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Examiner Signature	/Tiffany Gough/	Date Considered	06/20/2008
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- ☐ See attached certification statement.
- ☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- ☒ None

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A signature of the applicant or representative is required in accordance with CFR 1.33, 10.16. Please see CFR 1.4(d) for the form of the signature.

Signature	/Nicole A. Ressue/	Date (YYYY-MM-DD)	2007-01-18
Name/Print	Nicole A. Ressue	Registration Number	48,665

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